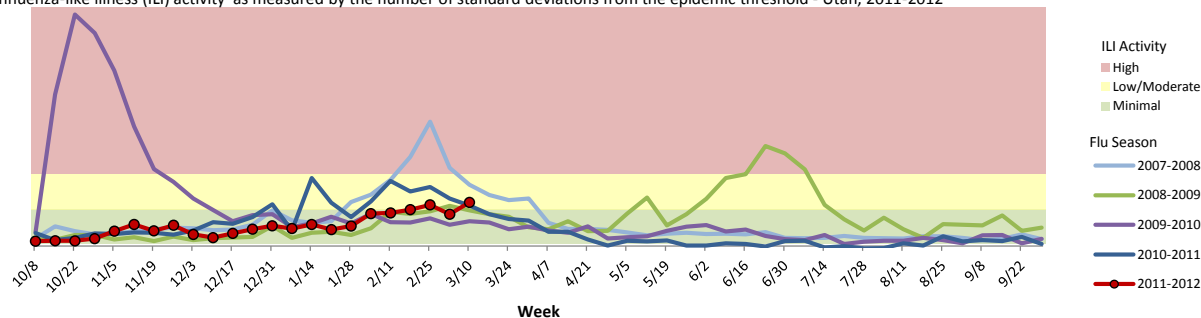


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



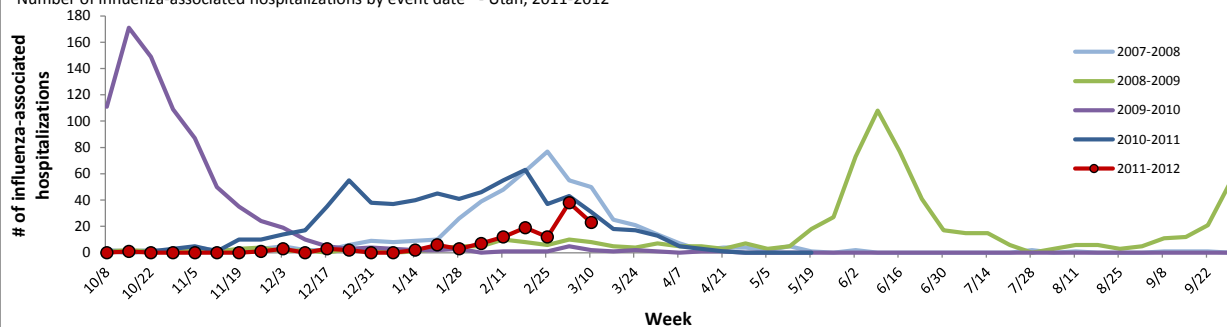
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Low/Moderate
Southwest	Low/Moderate
Summit	Minimal
Tooele	Minimal
TriCounty	Minimal
Utah	Low/Moderate
Wasatch	Minimal
Weber-Morgan	Minimal
State	Low/Moderate

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	72	54.5%	50.3%	0.3296
	Female	60	45.5%	49.7%	0.3296
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	94	71.2%	82.0%	0.0012
	Hispanic	25	18.9%	11.6%	0.0083
	Native Hawaiian/Pacific Islander	6	4.5%	0.7%	<0.0001
	Black/African American	2	1.5%	0.9%	0.4864
	American Indian	1	0.8%	1.1%	0.6841
	Asian	4	3.0%	1.9%	0.3245
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	33	25.0%	12.2	9
5-24 years	19	14.4%	2.0	2
25-49 years	30	22.7%	3.0	6
50-64 years	28	21.2%	7.0	1
65+ years	22	16.7%	8.9	5
Total	132	100%	4.6	23

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	3
Central	5
Davis	6
Salt Lake	79
Southeastern	1
Southwest	8
Summit	4
Tooele	1
TriCounty	0
Utah	14
Wasatch	0
Weber-Morgan	11

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	26	19.7%	84	63.6%	22	16.7%
Ventilator	9	6.8%	101	76.5%	22	16.7%
Died	2	1.5%	111	84.1%	19	14.4%
Neurological Symptoms	18	13.6%	93	70.5%	21	15.9%
Healthcare Worker	1	0.8%	93	70.5%	38	28.8%
Pregnant	6	4.5%	119	90.2%	7	5.3%
Heart Disorder	22	16.7%	89	67.4%	21	15.9%
Blood Disorder	1	0.8%	105	79.5%	26	19.7%
Kidney Disorder	9	6.8%	102	77.3%	21	15.9%
Metabolic Disorder	21	15.9%	88	66.7%	23	17.4%
Chronic Respiratory Disorder	40	30.3%	71	53.8%	21	15.9%
Immunosuppressed	11	8.3%	98	74.2%	23	17.4%
Neurological Disorder	18	13.6%	93	70.5%	21	15.9%
Seizure Disorder	6	4.5%	105	79.5%	21	15.9%
Bacterial Co-infection	3	2.3%	108	81.8%	21	15.9%
Obese**	17	21.0%	22	27.2%	42	51.9%
Morbidly Obese**	4	4.9%	35	43.2%	42	51.9%
Risk Factor***	112	84.8%	20	15.2%	0	0.0%
Vaccinated	33	25.0%	51	38.6%	48	36.4%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	21	91.3%	125	94.7%
Probable**	2	8.7%	7	5.3%
Total	23	100.0%	132	100.0%

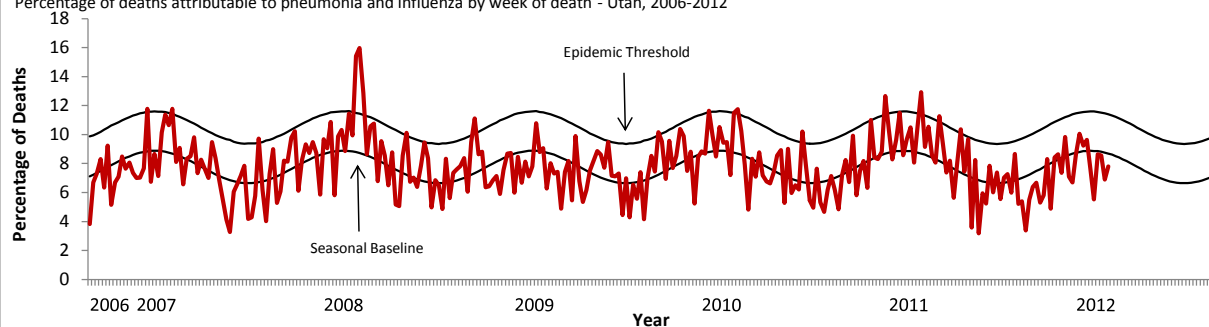
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

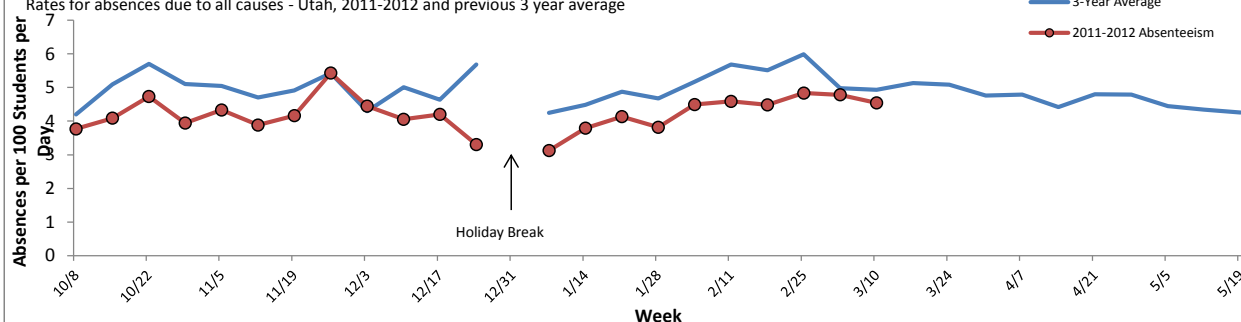
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	3.0
Central	3.7
Davis	4.0
Salt Lake	3.9
Southeast	5.6
Southwest	6.0
Summit	3.7
Tooele	5.8
TriCounty	4.8
Utah	2.6
Wasatch	3.9
Weber-Morgan	5.2
State	4.6

Unified State Laboratory: Public Health Virologic Data

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

